PATENT

Examiner: G. Nickol

Art Unit:

1642

Docket No.: 19603/2595 (CRF D-2400) IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hempstead et al. Serial No. 09/830,520, based on PCT/US99/25365 Cnfrm. No.: 9715 Filed October 28, 1999 For METHODS FOR REGULATING ANGIOGENESIS AND VASCULAR INTEGRITY USING TRK RECEPTOR LIGANDS

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INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97-1.98

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Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO-1449 form. The pertinence of some of these references is indicated in the International Search Report (copy enclosed) for the corresponding PCT application.

Pursuant to 37 CFR § 1.17(p) and 37 CFR § 1.97(c), applicants hereby enclose a check in the amount of \$180.00. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 14-1138.

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Respectfully submitted.

Registration No. 44,597

Georgia Evans

Date: Clpn 11, 2003

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U.S. PATENT DOCUMENTS

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	1	4,119,618	10/10/1978	Said		OF PAPEROL PRIME
	2	5,180,820	01/19/1993	Barde et al.		A 150 03
	3	5,229,500	07/20/1993	'Barde et al.		1600/2900
* 7	4	5,235,043	08/10/1993	Collins et al.		290
	5	5,338,840	08/16/1994	Bayne et al.		8
	6	5,401,832	03/28/1995	Linemeyer et al.		
	7	5,438,121	08/01/1995	Barde et al.		
	8	5,453,361	09/26/1995	Yancopoulos et al.		

FOREIGN PATENT DOCUMENTS

-		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
	9	WO 95/21193	08/10/1995	WIPO			
	10	WO 96/33731	10/31/1996	WIPO			
	11	WO 97/21732	06/19/1997	WIPO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	12	Oikawa et al., "Inhibition of Angiogenesis by Staurosporine, A Potent Protein Kinase Inhibitor," The Journal of An	tibiotics		
		45(7):1155-1160 (1992)			
	13	Hardie, eds. The Protein Kinase Factsbook II: Protein-Tyrosine Kinases, London: Academic Press, pp. 208-217 (19	95)		
	14	Hempstead, "Strategies for Modulating Trk Receptor Activity," Experimental Neurology, 124:31-36 (1993)			
	15	Hempstead et al., "Brain Derived Neurotropic Factor Induces Angiogenesis: Role in Intramyocardial Vessel Develo	opment,"		
		Blood, 92(10) Suppl. 1 Part 1-2:175A, 40th Annual Meeting of Am. Soc. Hematol. (1998) (abstract only)			
	16	McGregor et al., "Roles of Trk Family Neurotrophin Receptors in Medullary Thyroid Carcinoma Development and			
		Progression," Proc. Natl. Acad. Sci. USA, 96:4540-4545 (1999)	 -		
EXAMINER		DATE CONSIDERED			
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	17	5,488,099	01/30/1996	Persson et al.			PRIATE
	18	5,512,661	04/30/1996	Shooter et al.			
	19	5,534,615	07/09/1996	Baker et al.			
	20	5,654,427	08/05/1997	Dionne et al.			
	21	5,665,862	09/09/1997	Fischbach et al.			
	22	5,672,683	09/30/1997	Friden et al.			
	23	5,712,395	01/27/1998	App et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO-
24	4	WO 98/32859	07/30/1998	WIPO			PRIATE
25	5	WO 00/10552	03/02/2000	WIPO			
26	5	WO 99/06073	02/11/1999	WIPO			Abstract

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	27	Donovan et al., "Neurotrophin and Neurotrophin Receptors in Vascular Smooth Muscle Cells," American Journal of Pathology,				
		147(2):309-324 (1995)				
	28	Witzke et al., "Myocardial Ultrastructural Changes Induced by Administration of Nerve Growth Factor," in Gardner, ed.,				
		Surgical Forum, Vol. XXVII, Chicago, Illinois: American College of Surgeons, pp. 295-297 (1976)				
	29	Kaye et al., "Nerve Growth Factor-Enhanced Reinnervation of Surgically Denervated Canine Heart," Am. J. Physiol.,				
		236(4):H624-H628 (1979)				
	30	Long et al., "Trophic Factors for Cardiac Myocytes," Journal of Hypertension, 8 (suppl 7):S219-S224 (1990)				
	31	Santos et al., "Nerve Growth Factor: Increased Angiogenesis Without Improved Nerve Regeneration," Otolaryngol. Head Neck				
		Surg., 105:12-25 (1991)				
EXAMINER		DATE CONSIDERED				

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	32	5,733,727	03/31/1998	Field		=======================================	
	33	5,733,871	03/31/1998	Alps et al.		오	₽
, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,	34	5,739,113	04/14/1998	Lee		유 유	B
	35	5,747,655	05/05/1998	Johnson, Jr. et al.		4	- m
	36	5,750,373	05/12/1998	Garrard et al.		#	7 7
	37	5,763,441	06/09/1998	App et al.		1600	2003
	38	5,763,584	06/09/1998	Godowski		0 290	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO-
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 39	WO 99/21590	05/06/1999	WIPO			Abstract
40	WO 98/13071	04/02/1998	WIPO			Abstract
41	WO 98/49300	11/05/1998	WIPO			Abstract

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	42	Scarisbrick et al., "Coexpression of mRNAs for NGF, BDNF, and NT-3 in the Cardiovascular System of the Pre- and Postnatal
		Rat," J. Neurosci., 13(3):875-893 (1993)
	43	Tsukahara et al., "The Role of Brain-Derived Neurotrophic Factor in Transient Forebrain Ischemia in the Rat Brain,"
		<u>Neurosurgery</u> , 34:323-331 (1994)
	44	Hassankhani et al., "Overexpression of NGF Within the Heart of Transgenic Mice Causes Hyperinnervation, Cardiac
		Enlargement, and Hyperplasia of Ectopic Cells," <u>Development Biology</u> , 169:309-321 (1995)
	45	Andrade-Rozental et al., "Characterization of Two Populations of Ectopic Cells Isolated from the Hearts of NGF Transgenic
		Mice," <u>Developmental Biology</u> , 169:533-546 (1995)
	46	Milner et al., "Nerve Growth Factor Treatment of Adult Rats Selectively Enhances Innervation of Urinogenital Tract Rather
		Than Vascular Smooth Muscle, Int. J. Devl. Neuroscience, 13(5):393-401 (1995)
EXAMINER		DATE CONSIDERED

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	47	5,770,577	06/23/1	998	Kinstler et al.			PKIAI	E
	48	5,817,471	10/06/1	998	Kaplan et al.				
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	49	WO 99/40945		08/19/1999	WIPO			Abstract	
	50	WO 99/50403		10/07/1999	WIPO			Abstract	
	51	WO 99/26480		06/03/1999	WIPO			Abstract	
		ОТНЕЯ	R DOCUME	ENTS (including	Author, Title, Date, Pertinent P	ages, Etc.)		<u> </u>	
	52	Lam et al., "Incr	eased Nerve	e Growth Factor I	Inducible-A Gene and C-FOS Mes	ssenger RNA Level	s in the Rat Midbr	ain and	
		4			r Response to Electrical Stimulati			SS TRANS- PRIATE ASS LATION IF APPRO- PRIATE Abstract Abstract Abstract Abstract	
		Neuroscience, 7			-				
	53	Donovan et al.	'Identification	on of an Eggantial	Nonnaganal Eurotian a CN				

	52	Lam et al., "Increased Nerve Growth Factor Inducible-A Gene and C-FOS Messenger RNA Levels in the Rat Midbrain						
		lindbrain Associated with the Cardiovascular Response to Electrical Stimulation of the Mesencephalic Cuneiform Nucleus,"						
		Neuroscience, 71(1):193-211 (1996)						
	53	Donovan et al., "Identification of an Essential Nonneuronal Function of Neurotrophin 3 in Mammalian Cardiac Development,"						
		Nature Genetics, 14:210-213 (1996)						
	54	Chan et al., "Neurotrophin-4/5 Treatment Reduces Infarct Size in Rats with Middle Cerebral Artery Occlusion,"						
		Neurochemical Research, 21(7):763-767 (1996)						
	55	Abe et al., "Protective Role of Nerve Growth Factor Against Postischemic Dysfunction of Sympathetic Coronary Innervation,"						
		<u>Circulation</u> , 95:213-220 (1997)						
	56	Hempstead et al., "Brain Derived Neurotrophic Factor is Required for the Formation of the Atrial Septum and Coronary						
		Angiogenesis," Molecular Biology of the Cardiovascular System, Keystone Symposia, Abstract 119 (1998) (abstract only)						
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	57	Donovan, "Brain	n Derived Neur	rotrophic Factor	is an Endothelial Cell Survival	Factor Required for	Intramyografial V	·				
		Stabilization," D	evelopment, 1	27:4531-4540 (2	2000)	Table Required for	indaniyocaldiai v	———				
	58	Jones et al., "Targeted Disruption of the BDNF Gene Perturbs Brain and Sensory Neuron Development but Not Moto Development," Cell, 76:989-999 (1994)										
	59	Ernfors et al., "M	fice Lacking B	rain-Derived Me	eurotrophic Factor Develop Wi	th Sensory Deficits,'	' Nature, 368:147-1	 I 50 (1994)				
	60	Hiltunen et al., "Expression of mRNAs for Neurotrophins and Their Receptors in Developing Rat Heart," Circ.										
		939 (1996)										
	61	Leibrock et al., "I	Molecular Clor	ning and Express	sion of Brain-Derived Neurotro	phic Factor," Nature	2, 341:149-152 (198	89)				
	62		listologic Exar	nination of the P	lacenta in the Growth-Retarded	d Fetus," <u>Am. J. Peri</u>	inatol., 6(1):58-61 ((1989)				
		(abstract only)										
	63				eurotrophic Factor Exhibit Visc							
MINIED		Lacking NT4 and	Display a Seve	ere Development	tal Deficit in Control of Breath	ing," J. Neurosci., 10	6(17):5361-5371 (1	996)				
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	"				ent Atrophy of Rat Rubrospinal Neuro			ate GAP-43	
	65				Promote Axonal Regeneration," J. Ne				
		Ivanice,	горин-т. тъс	Odd One Out	t in the Neurotrophin Family," Neuro	chemical Researc	<u>:h,</u> 21(7):787-793	(1996)	
	66	Wang et al., "Lc	ocalized Synap	tic Actions of	f Neurotrophin-4," J. Neurosci., 18(13	2)-4085-4002 (19			
					, <u></u>)):470J- 1 7724 (177	78)		
	67	Ilag et al., "Pan-	Neurotrophin 1	1: A Genetica	ally Engineered Neurotrophic Factor	Displaying Multi	nle Specificities in	Perinheral	
					cad. Sci. USA, 92(2):607-611 (1995)		ne openion.	Feripicia	
	68	1			urotrophin-3 and Design of Nerve Gr	_	ed trkC Agonists b	w Changing	
	!				rir Neurotrophin-3 Analogs," Biochen				
	69				et Neurotrophin Specificities are Expr				
					Neurons," J. Neurosci., 19(12):4739-		maney	փութ	
	70				al Signal for the Developing Nervous		ılar Neurobiology.	12-30-53	
		(1996)				Dystern, -	lai Ivenionorogia	12.35-33	
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	61	Cardiovascular	Disorders, pr	. 141, 437-438, 9	74, 1654-1655, 1658-1659; 1784	-1785 (date unkno	own)	
	72	Binder et al., "S	elective Inhil	oition of Kindling	Development by Intraventricular	Administration o	f TrkB Receptor Bo	dy,"
				8 (1999) (abstract				
	73	Zagzag et al., "I	n Situ Expres	sion of Angiopol	etins in Astrocytomas Identifies A	Angiopoletin-2 as	an Early Marker of	Tumor
		1			(1999) (abstract only)			
	74	Holash et al., "N	lew Model of	Tumor Angioger	nesis: Dynamic Balance Between	Vessel Regression	on and Growth Medi	ated by
	Angiopoietins and VEGF," Oncogene, 18(38):5356-5362 (1999) (abstract only) 75 Hayes et al., "Angiopoietin-I and Its Receptor Tie-2 Participate in the Regulation of Capillary."			ke Tubule Formation	and			
					., 58(3):224-237 (1999) (abstract			
	76				tophosphorylation Sites," J. Biol.		20175-20181 (1996)	(abstract
		only)		····				(3000.000
	77	Fandl et al., "Ch	aracterization	and Crystallizati	on of Recombinant Human Neuro	otrophin-4 " I Bid	ol Chem 269(1):75	5-759
		(1994) (abstract			11000		0 207(1).73	
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	'-	ì		-1353 (1993) (abstrac	red Neurotrophic Factor for Neu	irons of the Trigemii	nal Ganglion,"					
	79			·	re, Chromosomal Localization,	m. Pi-wik-sion						
				, 89(7):3060-3064 (19		Tissue Distribution,	and Receptor Spec	cificity,"				
	80					1 N 1 M 1						
	-	1		(5):845-858 (1991) (erve Growth Factor Family Revo	eal a Novel Member	Abundantly Expre	essed in				
	81											
	"	284:1994-1998 (on, regression, and	d Growth in Tumors Mediated b	y Angiopoietins and	1 VEGF, Science,					
		ulos et al., "Direct Actions of Angiopoietin-1 on Human Endothelium: Evidence for Network Stabilization, Cell										
	02							on, Cell				
	83	1	Survival, and Interaction with Other Angiogenic Growth Factors," <u>Laboratory Investigation</u> , 79(2):213-223 (1999)									
	05		tead et al., "Brain Derived Neurotrophic Factor is Required for the Formulation of the Atrial Septum and Coronary									
	!	1	Angiogenesis," Weinstein Cardiovascular Development Conference, Vanderbilt University, Nashville, TN, E20 (May 28-30,									
	1	1998) (abstract o										
	84				Essential for Tumor Angiogen			Xenograft				
		1	Growth by Interfering with Either the Vascular Endothelial Growth Factor Receptor Pathway or the Tie-2 Pathway,"									
	\bot	Cancer Res., 59(13):3185-319	91 (1999) (abstract o	only)							
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		OTHER	DOCUM	ENTS (including A	Author, Title, Date, Per	rtinent Pages, Etc.)		
	85	Otani et al., "Exp	ressions o	f Angiopoietins and	l Tie2 in Human Choroi	dal Neovascular Mer	nbranes," Invest. Ophth	nalmol.
				(1999) (abstract only				
	86	Goede et al., "Ar	alysis of E	lood Vessel Matura	ation Processes During (Cyclic Ovarian Angio	ogenesis," Lab. Invest.,	
		78(11):1385-1394						
	87	Mack et al., "Bio	logic Bypa	ss with the Use of /	Adenovirus-Mediated G	ene Transfer of the C	Complementary Deoxyri	ibonucleic
		Acid for Vascular	r Endotheli	al Growth Factor 17	21 Improves Myocardia	Il Perfusion and Func	tion in the Ischemic Por	rcine Heart "
		J. Thorac. Cardio	vasc. Surg.	, 115(1):168-176 (1	1998) (abstract only)			
	88		Deficient Adenovirus V	Jector"				
				25-433 (1996) (abstr			ccioi,	
	89	Symes et al., "Ger	ne Therapy	with Vascular End	lothelial Growth Factor	for Inoperable Coron	arv Artery Disease."	
		Ann. Thorac. Surg						
	90				Angiogenesis," Am. Hear	art J., 138(2 Pt. 2):132	2-141 (1999) (abstract o	
							131 (1777) (4004400 0.	
	91	Losordo et al., "G	ene Therap	y for Myocardial A	angiogenesis: Initial Clin	nical Results with Di	rect Myocardial Injection	on of
					chemia," Circulation, 98			
MINER					DATEC	ONSIDERED		

considered. Include copy of this form with next communication to applicant.